

CONTAINERIZED SEWAGE TREATMENT PLANT

Sn Aqua Package Sewage treatment Plant is totally self-contained, covered, single piece packaged treatment system for onsite wastewater treatment. Package STPs are innovative and truly versatile systems for the effective treatment of wastewater, including Nutrient removal. They can be configured for BOD reduction, suspended solids reduction, Ammoniacal and/or total Nitrogen reduction and Phosphorus reduction. Membrane Bio Reactor (MBR) has been built into the Single Packaged Plant to create the physical-biological tertiary treatment with water recycling.



Features & Benefits

- + Leading Edge package sewage treatment plant
- + Incorporate advance membrane technology.
- + Idea for sites where water reuse is premium.
- + High removal efficiency for nitrogen, BOD & COD,
- + Fewer process to achieve comparable effluent quality.
- + Eliminate Sludge ability Issues.
- + Small Foot Prints.
- + Reduce sludge yield

ENVIRONMENT
FRIENDLY

CAPACITY
10 KLD to 500 KLD

LESS SPACE
REQUIRED

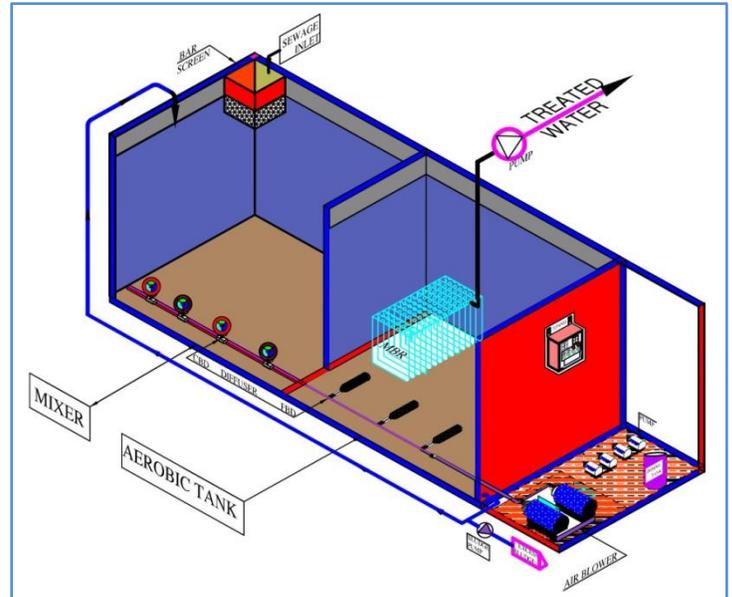
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Process/Operation:

Membrane bioreactor (MBR) is the combination of a membrane process like microfiltration or ultra filtration with a suspended growth bioreactor, and now widely used for municipal and industrial wastewater treatment. MBRs differ from 'polishing' processes where the membrane is employed as a discrete tertiary treatment step with no return of the active biomass to the biological process. The Membrane Bio Reactor (MBR) is a biological system coupled with a membrane to enhance solid-liquid separation and filtration.



Containerized sewage treatment plant is located inside a standard shipping container; it can be relocated and installed with ease at other locations. In most cases it is a two day operation and requires a flat bedded truck and a crane. These Containerized Plants can effectively meet the demand of water in remote areas. It can be easily installed and operated and can be moved to new sites. In various environmental and municipal emergencies this plant is preferred.



The plant, consisting of bioreactors, clarifier and disinfection tank, can be housed in 20 or 40 foot containers and will treat sewage for up to 250 people to a standard which will allow the treated water to be used for irrigation or safely reintroduced to the environment.

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